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IAC-D-74/3
18 October 1955

Third Annual Progress Report to the IAC
of the Scientific Estimates Committee
September 1954 - August 1955

I. Authority for the Scientific Estimates Committee

The Scientific Estimates Committee was established on 14 August 1952 by DCID 3/4, pursuant to the provisions of NSCID No. 3 and the recommendation of the IAC Ad Hoc Committee to Survey Existing Arrangements Relating to Production of Scientific and Technical Intelligence (IAC-M-79), 14 August 1952).

II. Organization of the Scientific Estimates Committee

DCID 3/4 provides that the permanent membership of the SEC shall consist of representatives from CIA, The Joint Staff, the Departments of State, Army, Navy, and Air Force Force, and the Atomic Energy Commission. The AEC member has not participated in the activities of the SEC but has indicated that he would participate in the future in matters of direct interest to the AEC. (Note: Atomic energy intelligence was assigned to the Joint Atomic Energy Intelligence Committee by DCID 3/4.)

The SEC has no permanent subcommittee structure; however, it employs ad hoc subcommittees, when needed, to discuss or report upon particular subjects under consideration.

III. Responsibilities and Accomplishments of the Scientific Estimates Committee

DCID 3/4 assigns the SEC three responsibilities, and in addition recommends "that the SEC concentrate on the integration of intelligence opinion (other than that for which JAEIC is responsible) as and when required for the purposes of national intelligence, and only incidentally assist in the coordination of production of other intelligence in scientific and technical fields."

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The accomplishments of the SEC under each of its responsibilities are summarized below:

A. The SEC shall "integrate scientific and technical intelligence, as and when required, for the production of national intelligence".

1. The SEC integrated scientific and technical contributions to eight National Intelligence Estimates. A tabulation of these contributions is at Tab A.

2. In addition, in fulfillment of its implicit responsibility to improve the scientific and technical intelligence contribution to national intelligence, the SEC:

a. Initiated, in collaboration with the Joint Atomic Energy Intelligence Committee the establishment of national scientific and technical intelligence objectives in the light of the National Intelligence Objectives (DCID 4/4).

b. Produced, at the direction of the IAC (IAC-D-80, as approved in IAC-M-138), SEC 3-55, Biological Warfare Intelligence Deficiencies and Recommended Means for Their Elimination.

c. In compliance with IAC directive (IAC-M-191) initiated a progress report to the IAC on action taken by the intelligence community to implement the recommendations of SEC 3-55, Biological Warfare Intelligence Deficiencies and Recommended Means for Their Elimination. The progress report will be completed in October 1955.

d. Agreed to revise SEC 2-54, Soviet Biological Warfare Capabilities through 1960, within six months after submission of the above-mentioned progress report to the IAC in order to incorporate more recent information developed by coordinated measures taken.

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e. Made substantial progress in an all-source research project on an agreed list of ☐ potential Soviet biological warfare installations. This coordinated effort, which will be completed in the second quarter of Fiscal Year 1956, has established valuable integrated intelligence on personalities, organizations, and activities in this field.

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f. Reviewed for the IAC, in compliance with IAC directive (Item 3, IAC-M-200), the proposed DCID 3/6, Establishment of a Guided Missile Intelligence Committee (IAC-D-81/9), and submitted its report to the IAC.

g. Completed a survey of critical deficiencies in meteorological intelligence on the Sino-Soviet Bloc, with indications of SEC remedial action to be taken and with recommendations to the IAC for appropriate additional remedial action which, in the opinion of the SEC, were beyond the purview of the SEC. The survey is under review by an IAC ad hoc committee.

h. Prepared the scientific and technical intelligence contribution to the IAC Annual Report to the NSC on the Status of Foreign Intelligence for the Period 1 July 1954 through 30 June 1955.

i. Provided assistance to member agencies in planning production of scientific and technical intelligence, minimizing duplication of research effort, and identifying possible gaps in coverage, through production of the second "Annual Report of the Status of Scientific and Technical Intelligence Production Projects" and a semi-annual supplement. This series of reports covers internal and external research projects of member agencies.

B. The SEC shall "coordinate the production of Chapter VII of the NIS"

1. The SEC coordinated the production of 20 Sections of Chapter VII, Scientific, and five Sections 17 of Chapter I, Brief, of the NIS. A tabulation of these contributions is at Tab B.

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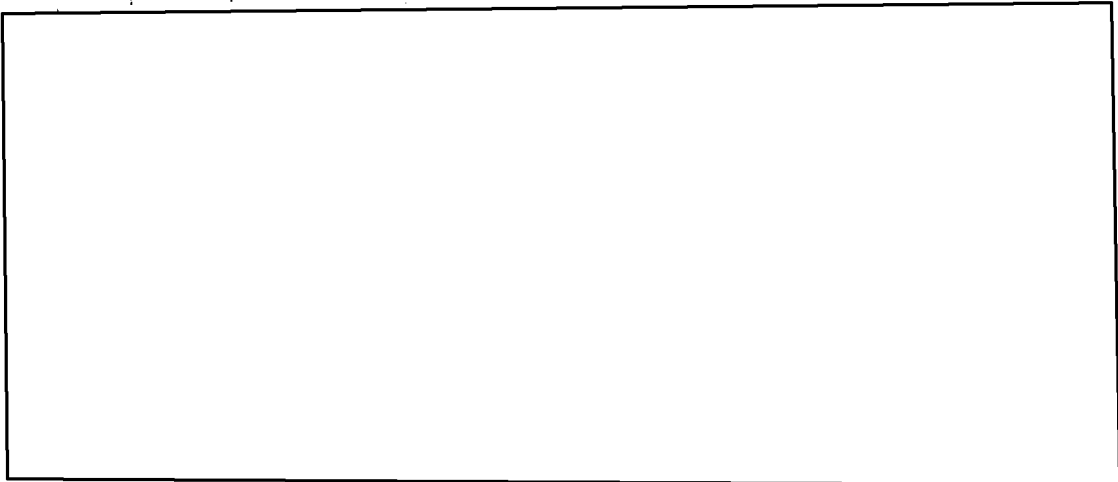
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2. The SEC prepared a revised forecast of areas requiring scientific intelligence coverage in the NIS and proposed a two-year program (through Fiscal Year 1958) for production of NIS Chapter VII, which the NIS Committee approved. In addition, the SEC submitted for NIS Committee approval a tentative program for production of NIS Chapter VII in Fiscal Year 1959. The forecast, which was approved by the NIS Committee, permits more effective concentration of scientific and technical intelligence manpower on Sino-Soviet Bloc countries and provides for necessary coverage of non-Bloc countries of scientific and technical intelligence importance. The advanced programming provides time for collection in response to specific collection requirements and for ensuing research.

C. The SEC shall "stimulate and guide interagency liaison and such working-level conferences as may be appropriate"



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IV. Objectives for the Coming Year

In accordance with DCID 3/4, the SEC will continue to work toward the principal objective of strengthening the over-all governmental intelligence structure for the production of scientific and technical intelligence. In pursuit of this objective, the SEC will make a concerted effort during the coming year to:

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A. Integrate scientific and technical intelligence for the production of national intelligence by:

1. Producing SEC contributions to National Intelligence Estimates in which the scientific factor merits consideration.

2. Conducting post-mortems of the scientific and technical portions of certain National Intelligence Estimates, particularly those which are revised periodically.

3. In addition, in fulfillment of its implicit responsibility to improve the scientific and technical intelligence contribution to national intelligence, the SEC proposes to:

a. Establish, in collaboration with the Joint Atomic Energy Intelligence Committee, national scientific and technical intelligence objectives in the light of the National Intelligence Objectives (DCID 4/4).

b. Produce a comprehensive estimate of the development and utilization of science in the USSR.

c. Initiate detailed SEC studies in certain scientific and technical intelligence fields as necessary to provide basic papers in support of national intelligence requirements.

d. Conduct, both under IAC direction and at its own initiative, substantive surveys in various fields of scientific and technical intelligence for the purpose of identifying critical deficiencies related to consumer requirements and recommending means for their elimination.

e. Submit a progress report to the IAC on action taken by the intelligence community to implement the recommendations of SEC 3-55, Critical Deficiencies in Biological Warfare Intelligence. Further, to review periodically the progress made in other fields on which the SEC has conducted substantive surveys.

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f. Revise SEC 2-54, Soviet Biological Warfare Capabilities through 1960, during the final quarter of Fiscal Year 1956 in order to incorporate more recent information developed by coordinated measures taken to implement the recommendations of SEC 3-55.

g. Complete coordinated all-source research on an agreed list of ☐ potential biological warfare installations.

B. Coordinate the production of Chapter VII of the NIS by:

1. Integrating contributions to NIS Chapter VII, Scientific, and NIS Section 17, Scientific, in accordance with the production program proposed by the SEC for Fiscal Year 1956 and approved by the NIS Committee.

2. Continuing to program NIS Chapter VII production three years beyond the current fiscal year in order to provide ample time for collection activities in response to specific requirements and for ensuing research.

C. Stimulate and guide interagency liaison and such working-level conferences as may be appropriate by:

1. Providing assistance to member agencies in planning production of scientific and technical intelligence and in minimizing duplication of research effort, through continued production of an SEC annual report, with semi-annual supplements, of the status of scientific and technical intelligence production projects in member agencies and by other means.

2. Contributing to improved collection of scientific and technical intelligence information through coordinated requirements and guidance in certain fields of common concern to the community.